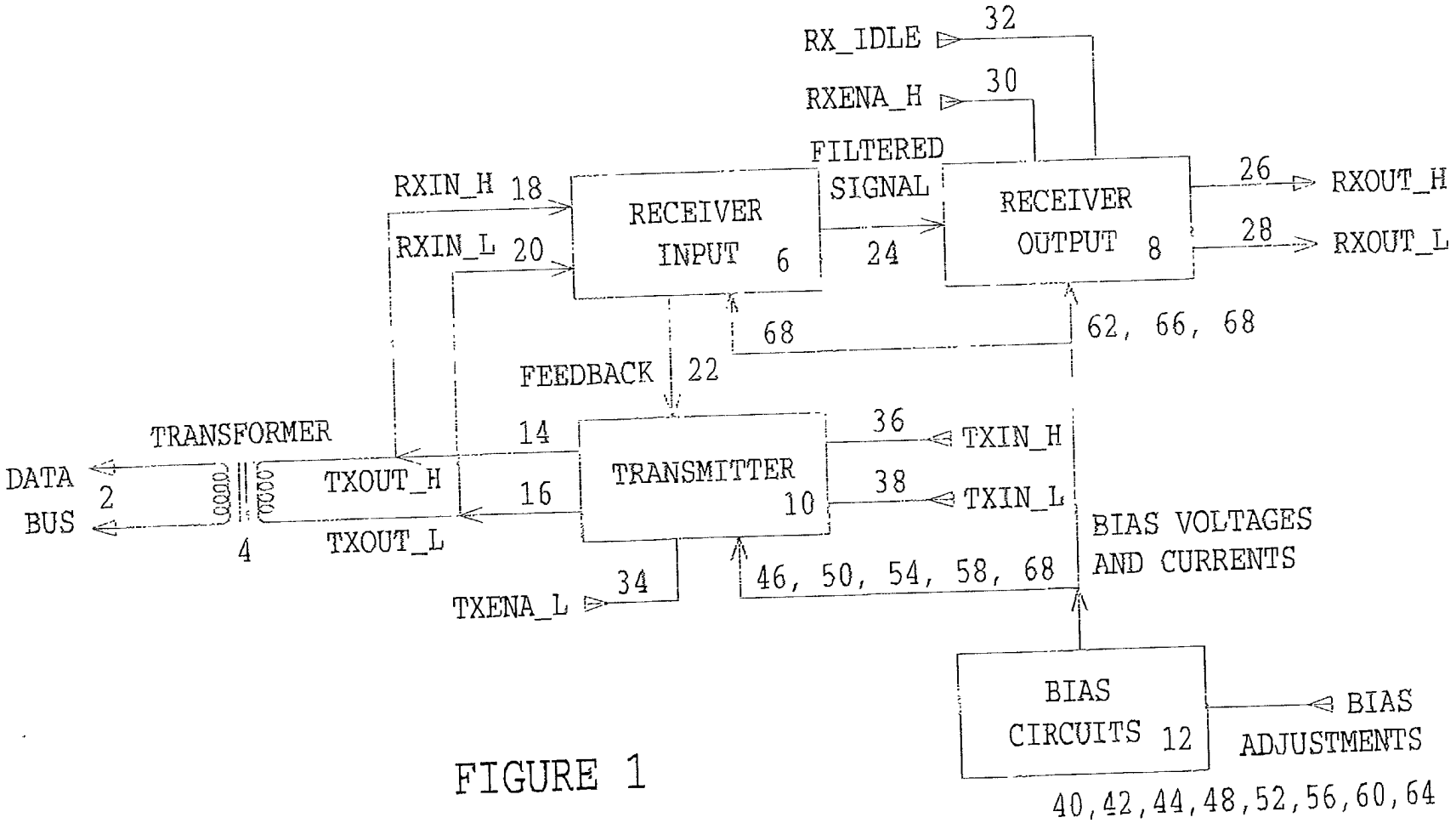

FIGURE 1

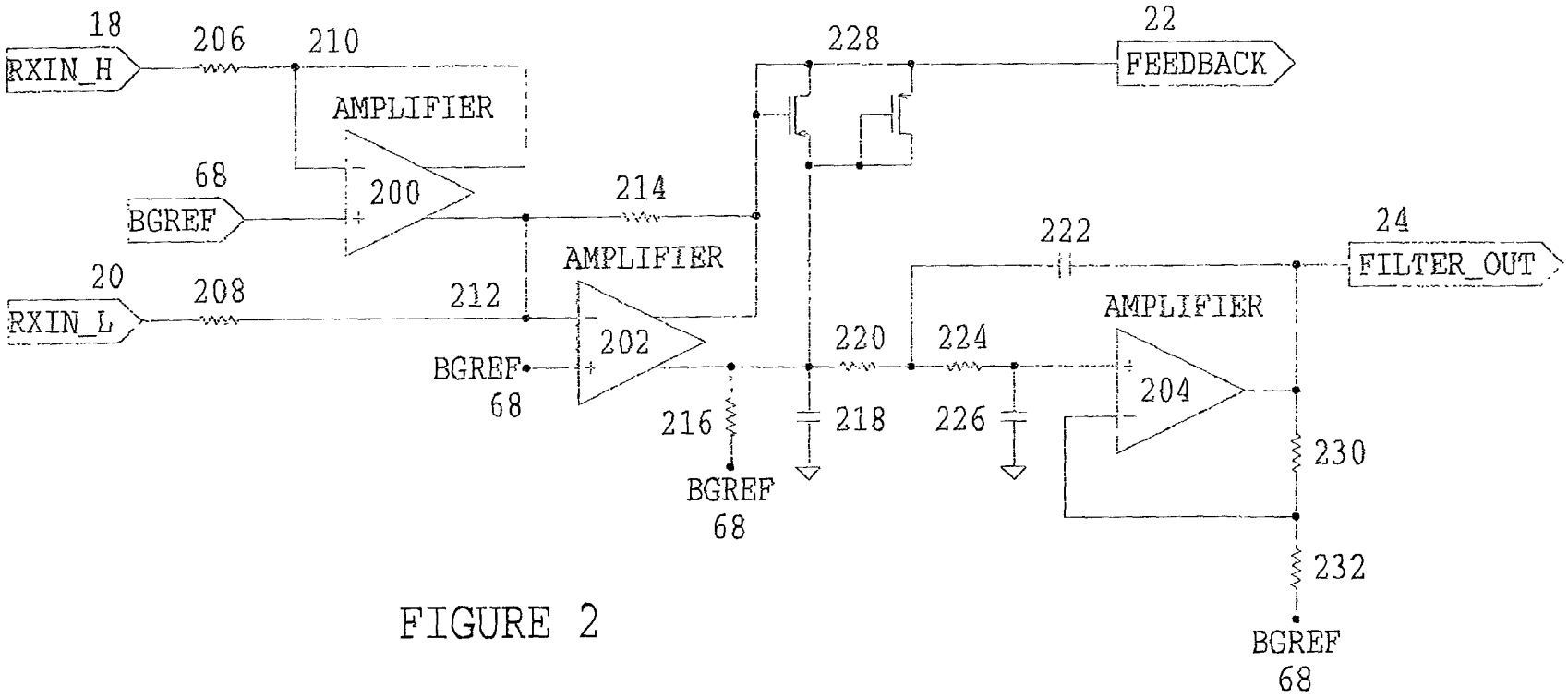
18
RXIN_H
206
210
AMPLIFIER
200
68
BGREF
214
228
22
FEEDBACK
20
RXIN_L
208
212
AMPLIFIER
202
BGREF
68
216
BGREF
68
220
218
224
226
222
24
FILTER_OUT
AMPLIFIER
204
230
232
BGREF
68

FIGURE 2

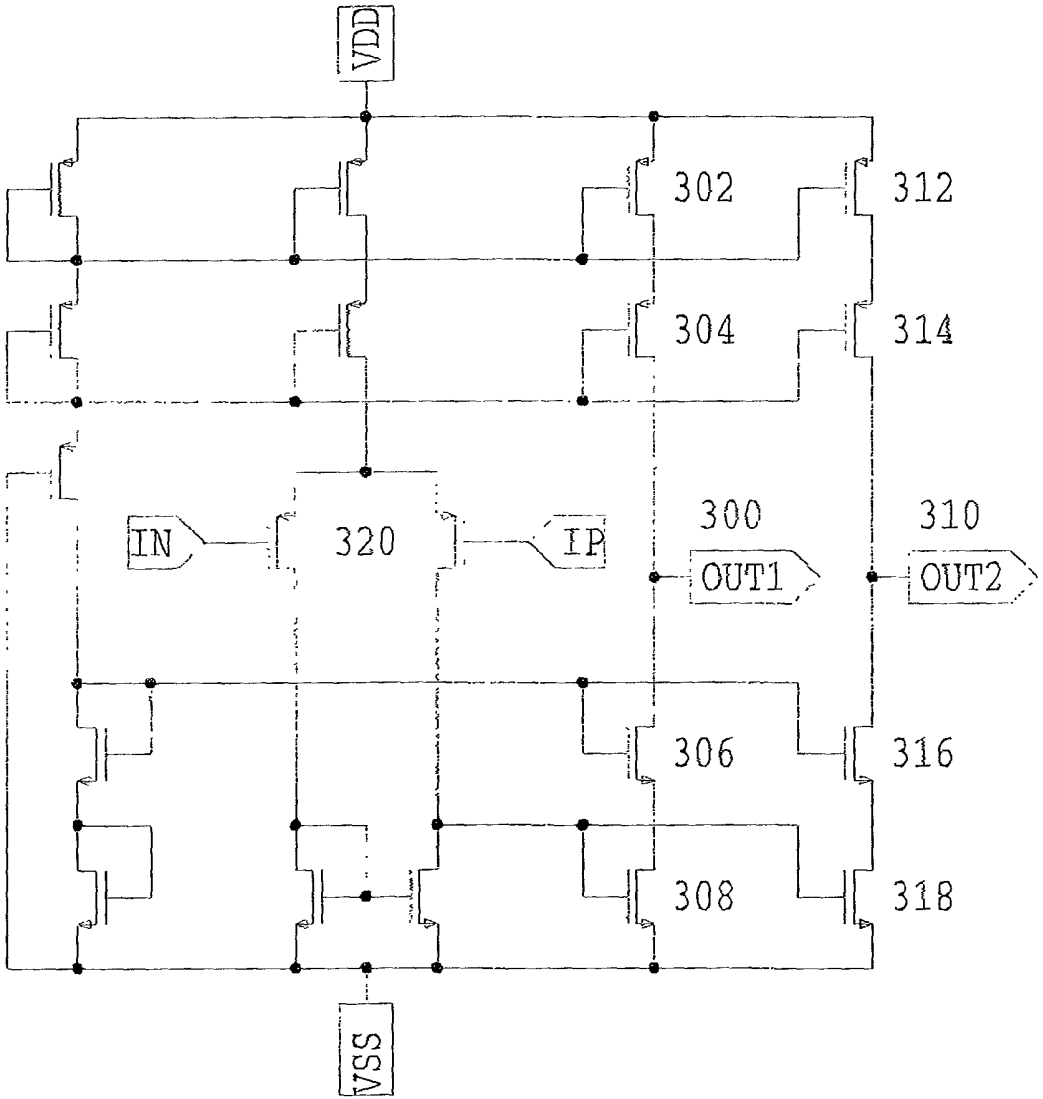

FIGURE 3

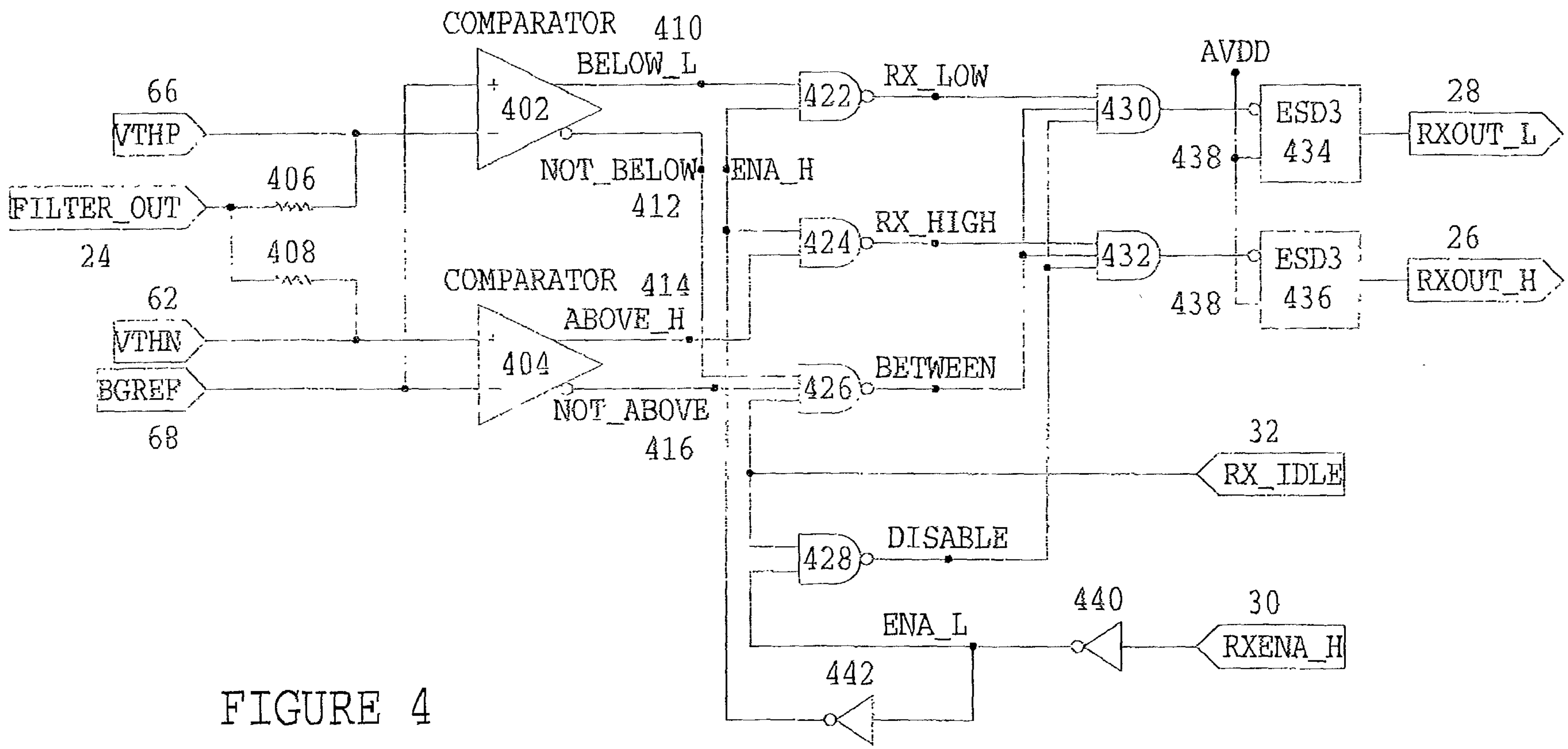
COMPARATOR
410
BELOW_L
402
66
VTHP
NOT_BELOW
412
ENA_H
FILTER_OUT
24
406
408
62
VTHN
COMPARATOR
414
ABOVE_H
404
BGREF
68
NOT_ABOVE
416
422
RX_LOW
424
RX_HIGH
426
BETWEEN
428
DISABLE
ENA_L
442
440
430
432
AVDD
438
438
ESD3
434
ESD3
436
28
RXOUT_L
26
RXOUT_H
32
RX_IDLE
30
RXENA_H

FIGURE 4

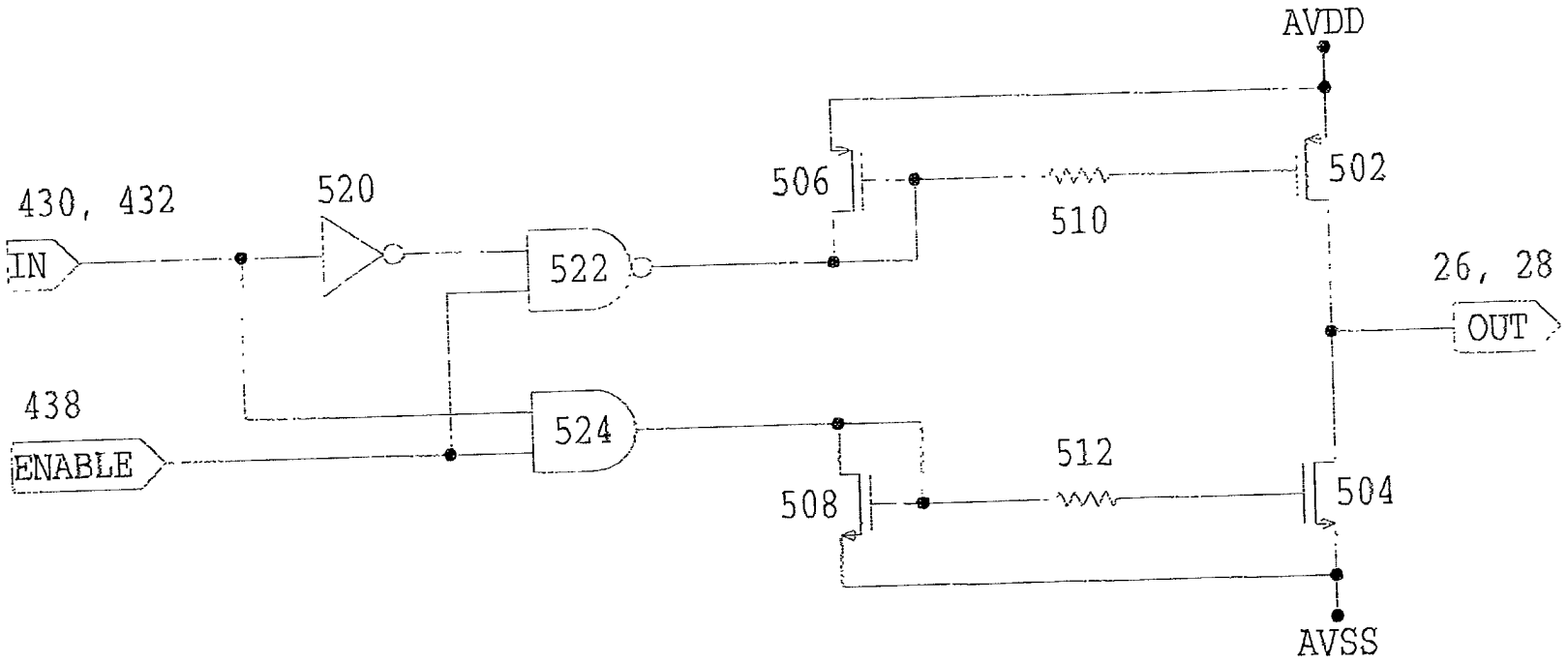

FIGURE 5

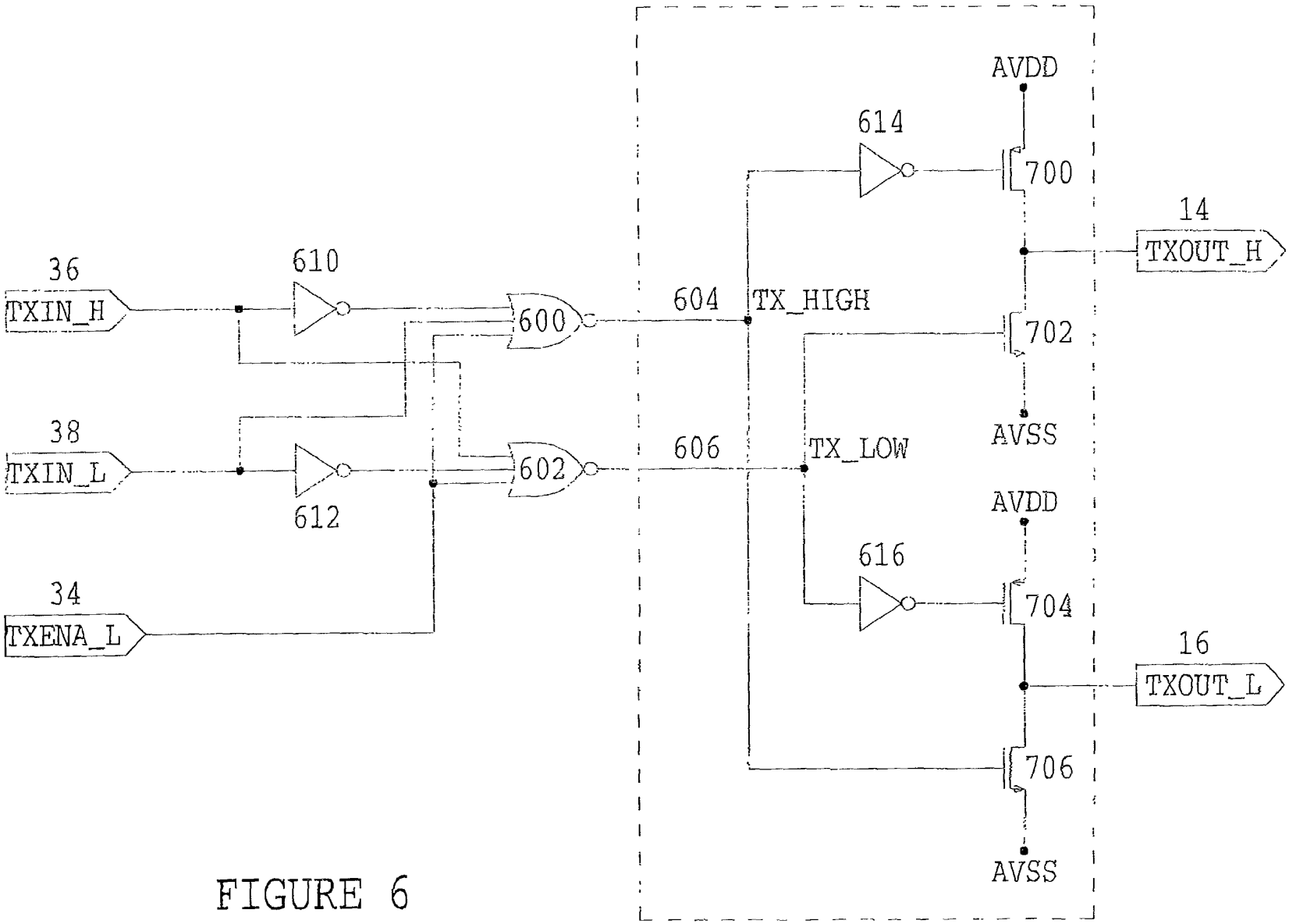
AVDD
614
700
14
TXOUT_H
36
TXIN_H
610
600
604
TX_HIGH
702
AVSS
38
TXIN_L
612
602
606
TX_LOW
AVDD
616
704
34
TXENA_L
16
TXOUT_L
706
AVSS

FIGURE 6

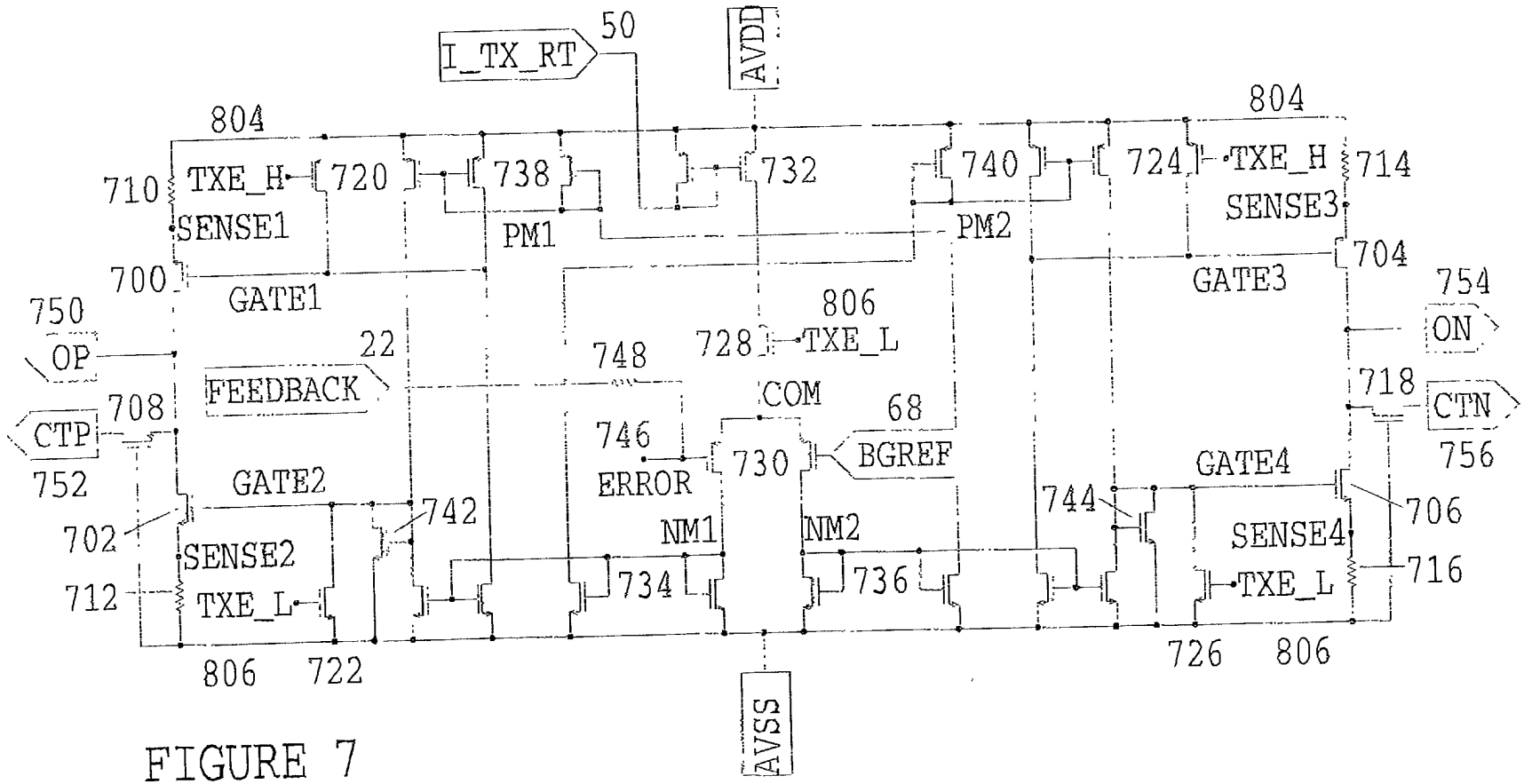
I_TX_RT
50
AVDD
804
804
710
TXE_H
720
738
732
740
724
TXE_H
714
SENSE1
PM1
PM2
SENSE3
700
GATE1
704
GATE3
754
750
806
ON
OP
22
748
728
TXE_L
718
FEEDBACK
COM
68
CTN
708
CTP
746
730
BGREF
756
752
GATE2
ERROR
GATE4
744
706
702
742
NM1
NM2
SENSE4
SENSE2
734
736
716
712
TXE_L
TXE_L
806
722
726
806
AVSS

FIGURE 7

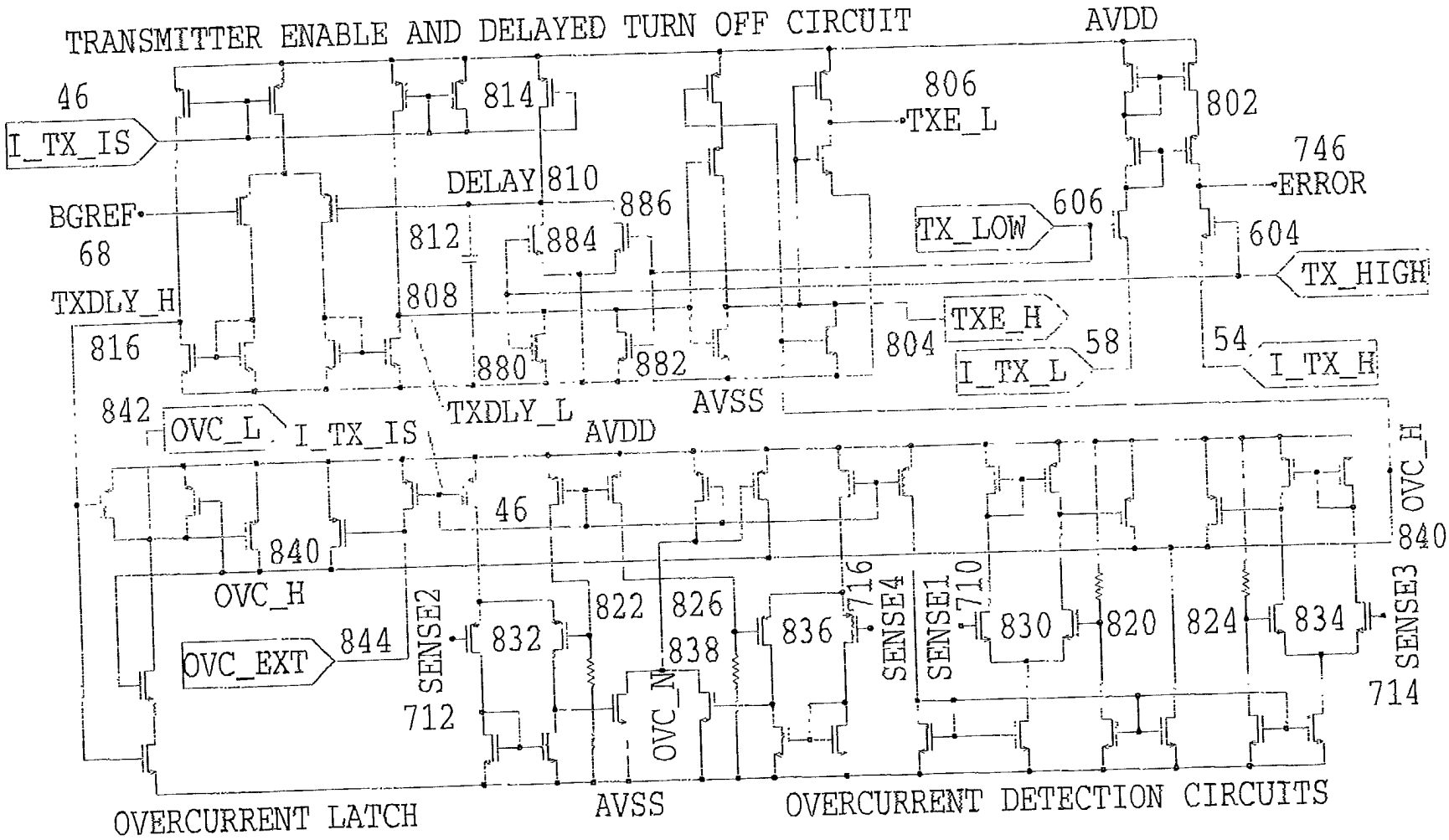

FIGURE 8

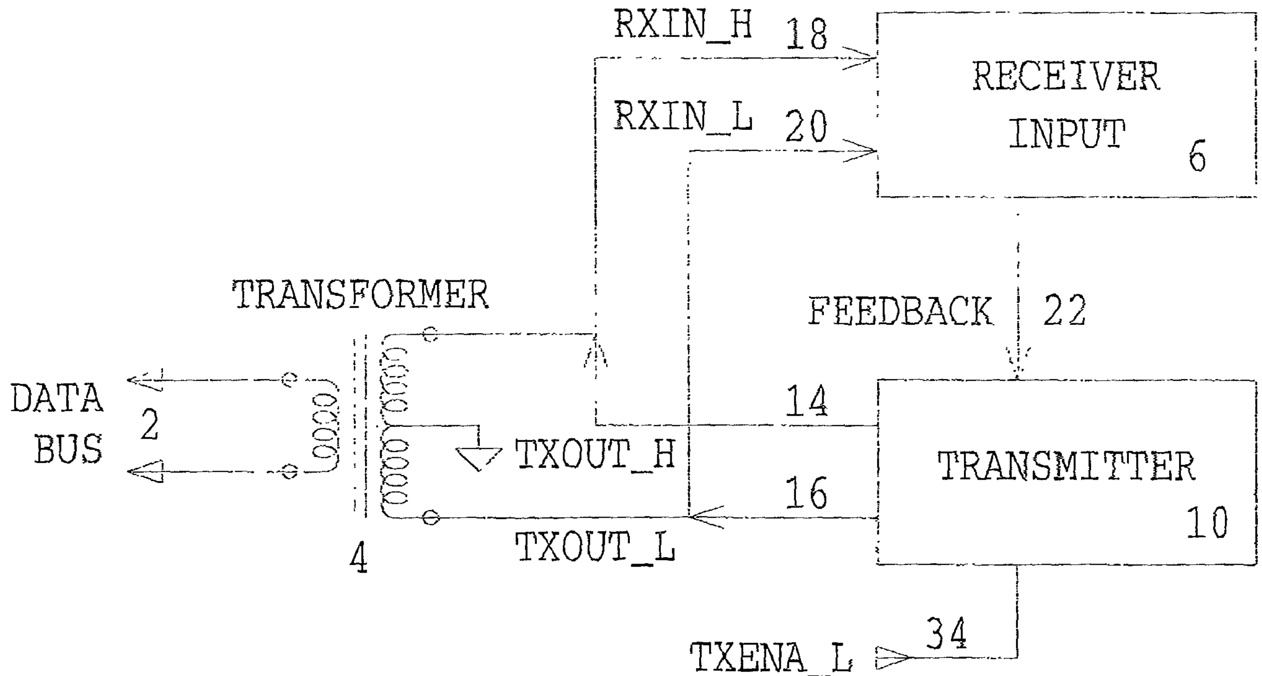
RXIN_H 18
RXIN_L 20
RECEIVER
INPUT
6
FEEDBACK
22
TRANSFORMER
DATA
BUS
2
TXOUT_H
14
16
TXOUT_L
4
TRANSMITTER
10
34
TXENA_L

FIGURE 9

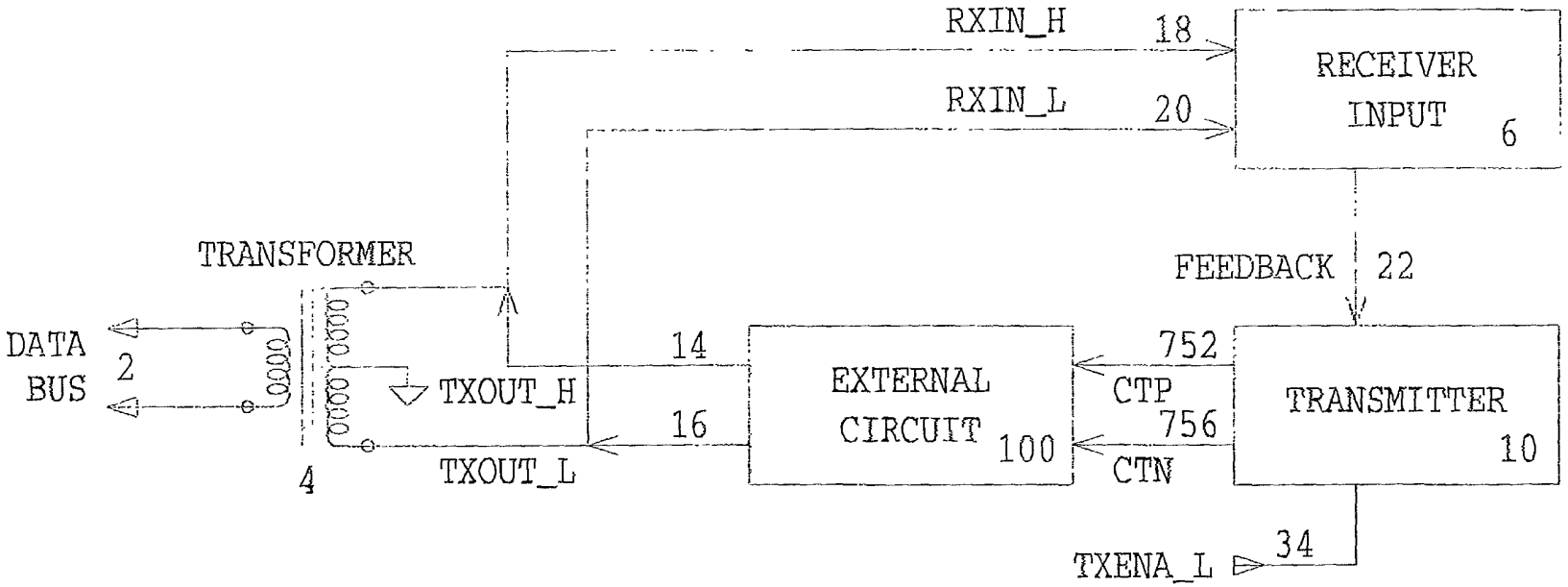

FIGURE 10

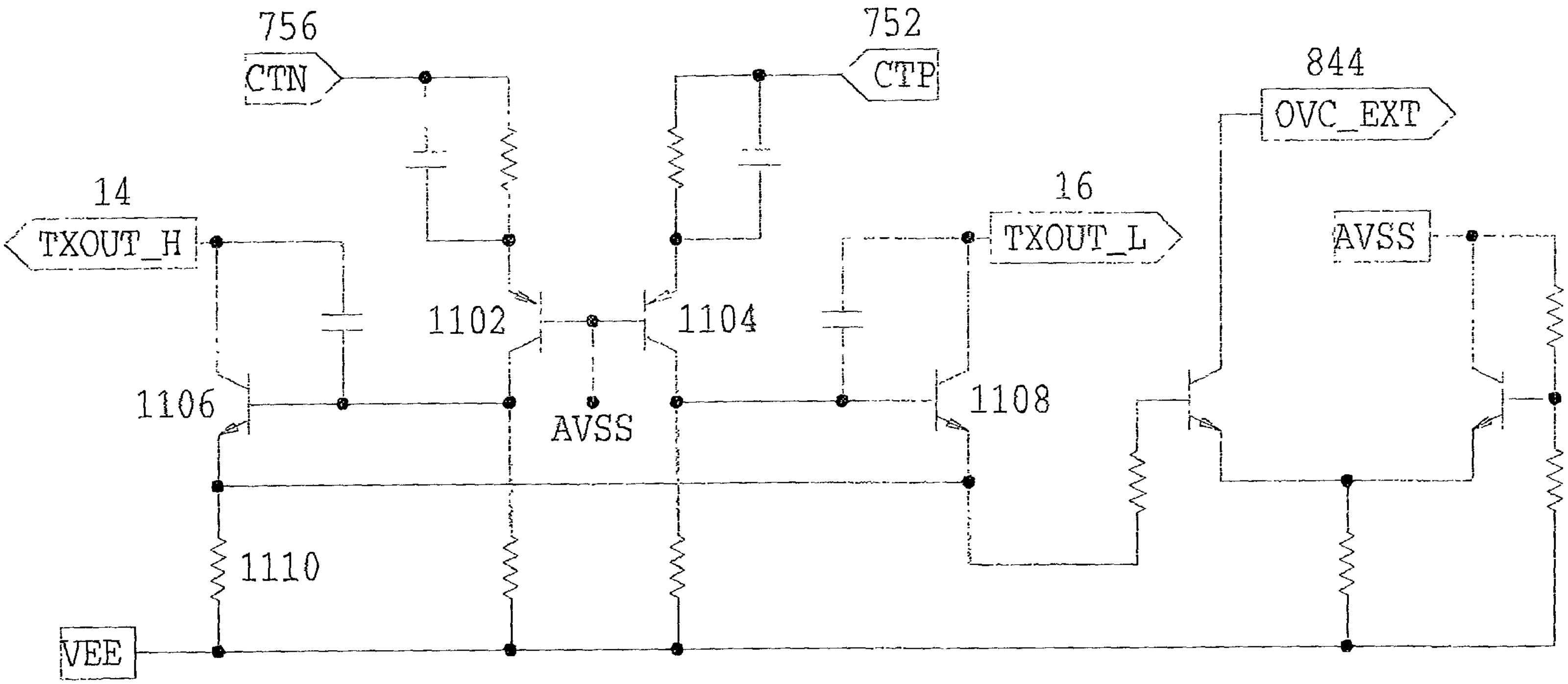
756
CTN
752
CTP
844
OVC_EXT
14
TXOUT_H
16
TXOUT_L
AVSS
1102
1104
1106
1108
1110
AVSS
VEE

FIGURE 11

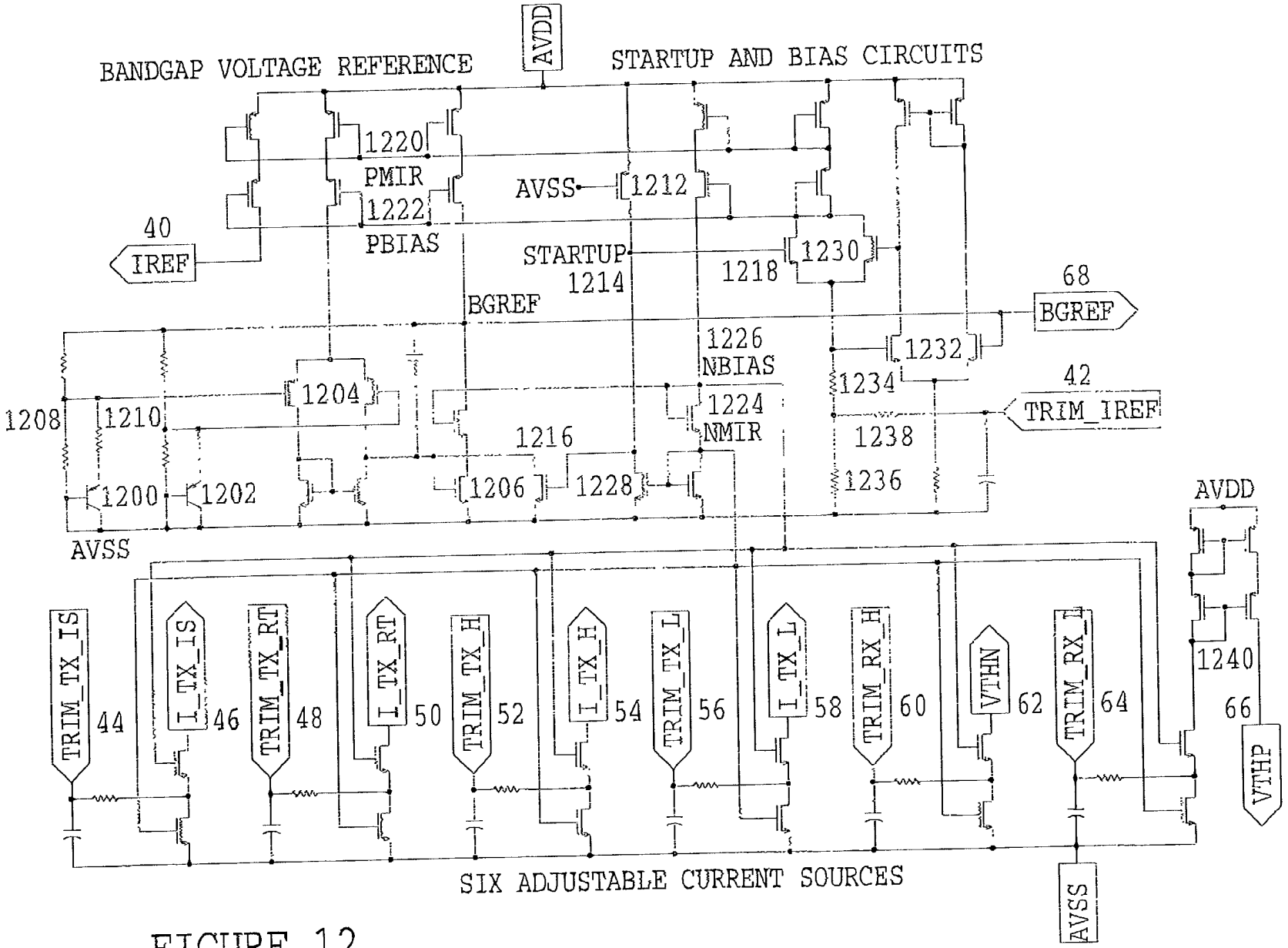
BANDGAP VOLTAGE REFERENCE
AVDD
STARTUP AND BIAS CIRCUITS
1220
PMIR
1222
PBIAS
AVSS
1212
40
IREF
STARTUP
1214
1218
1230
68
BGREF
BGREF
1226
NBIAS
1232
1234
42
TRIM_IREF
1204
1208
1210
1224
NMIR
1216
1238
1236
1200
1202
1206
1228
AVSS
AVDD
TRIM_TX_IS
44
I_TX_IS
46
TRIM_TX_RT
48
I_TX_RT
50
TRIM_TX_H
52
I_TX_H
54
TRIM_TX_L
56
I_TX_L
58
TRIM_RX_H
60
VTHN
62
TRIM_RX_L
64
1240
66
VTHP
AVSS
SIX ADJUSTABLE CURRENT SOURCES

FIGURE 12